



The City of Morgantown

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Constellation Energy Reports an Increase in Energy Savings for City of Morgantown Facilities

*The Annual Measurement and Verification Report finds even more savings in the
program's second year.*

MORGANTOWN – The City of Morgantown received Constellation Energy's second year energy savings cost results report that was a part of the 2009 Energy Guarantee Contract between the City and the Energy consulting company.



The City worked with the Pittsburgh-based energy projects and services firm in 2009 to determine how it could reduce energy costs for city facilities and infrastructure. The City moved forward with lighting upgrades in both the Morgantown Municipal Building and the Public Safety Building, boiler upgrades, ancillary pipe insulation, metal roof replacement for the Public Works and Engineering garage, and automatic temperature control (ATC) systems for each of 16 municipal facilities in 2010.

In 2011, Constellation reported that energy savings for 2011 reached \$203,884 in its Annual Savings Snapshot. In 2012, energy savings total \$209,921, saving the City an additional \$6,000 last year. If you include annual Operations & Maintenance (O&M) savings of \$21,763, the ten Energy Conservations Measures have saved the City \$231,684.

The majority of these savings can be found in the lighting upgrades to City facilities, including automatic lights that turn on and off when someone enters the room, LED traffic light upgrades, fixtures, and battery backups. These savings totaled \$119,747. Air Temperature Control upgrades also saved a large portion of that money, totaling \$47,863, in addition to 19 kgal in water savings.

Additional Energy Conservation measures and their cost savings in dollars and water can be found in the Annual Savings Summary below.

To date, the energy efficiency projects achieved savings that have exceeded the amount guaranteed. Constellation said the City could expect to save \$219,781 in 2012, whereas actual savings were more than \$11,000 more than expected.

Year	Guaranteed Savings	Achieved Savings
Installation Work Period	\$70,888	\$70,888
1	\$200,891	\$225,013
2	\$219,781	\$231,684

Savings to Date: Pg. 7 of 45 of the Annual Measurement and Verification Report by Constellation Energy, April 9, 2013.

"We are very happy with the results of the City's Energy Conservation Measures seen in the energy savings report. At the time, the City was not sure the guaranteed savings could be achieved – we have not only achieved the saving, we exceeded them. This is just one of the initiatives that the City has been involved in to make public facilities more and energy efficient and reduce energy consumption. Other projects include the LEED certification of the North side Fire Station and the installation of solar panels on the Morgantown Market Place.

The report will be presented at the July 16, 2013 City Council meeting.



Energy Conservation Measures	Annual Achieved Savings for 2012				
	Electric Demand (kW)	Electric Energy (kWh)	Fuel Savings (MCF)	Water Savings (kgal)	Utility Cost Savings (\$)
Lighting Upgrade	2,793	1,474,529	-	-	\$119,747
Pipe Insulation	-	-	92	-	\$1,319
ATC Upgrades	-	242,425	2,570	19	\$47,863
VFD Air Handling	-	18,393	208	-	\$3,868
Boiler Upgrade	-	-	453	-	\$6,546
New Metal Roof	-	355	932	-	\$12,418
New Garage Panel Doors	-	-	216	-	\$2,790
Roustan Ice Plant	65	1,902	-	946	\$5,055
HHW Boiler and Fill Upgrade	-	-	225	-	\$3,335
HVAC Upgrade - Floor 1 South	-	-	480	-	\$6,980
Project Total	2,858	1,737,604	5,176	965	\$209,921
			Year 2 O&M		\$21,763
			Project Total		\$231,684

Annual Savings Summary: Pg. 6 of 45 of the Annual Measurement and Verification Report by Constellation Energy, April 9, 2013.

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